<u>IN THE CLAIMS</u>:

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

Claim 1. (Currently Amended) An image processing apparatus having a plurality of image processing functions, comprising:

IP address generating means, connected to an IPv6 router on a network, for acquiring prefix information from said IPv6 router and generating an IP address unique to each of the plurality of image processing functions on the basis of the acquired prefix information; and

control means for communicating with other appliance<u>s</u> on the network by use of the IP address generated for every image processing function and operating each of the plurality of image processing functions in accordance with a result of the communication <u>via a common bus</u>.

Claim 2. (Original) An image processing apparatus according to claim 1, wherein said control means executes the plurality of image processing functions by executing, on a time-division basis using a task switchover, control task programs corresponding respectively to the plurality of image processing functions, and performs the communication using the IP address generated for every image processing function on the basis of the control task program, taking as a unit the control task program corresponding respectively to the plurality of image

processing functions.

Claim 3. (Currently Amended) A control method of an image processing

apparatus having a plurality of image processing functions, comprising:

an IP address generating step of establishing a connection to an IPv6

router on a network, acquiring prefix information from [[said]] the IPv6 router and generating an

IP address unique to each of the plurality of image processing functions on the basis of the

acquired prefix information; and

a controlling step of performing a communication with other appliances

on the network by use of the IP address generated for every image processing function and

operating each of the plurality of image processing functions in accordance with a result of the

communication via a common bus.

Claim 4. (Original) A control method of an image processing apparatus

according to claim 3, wherein said controlling step involves executing the plurality of image

processing functions by executing, on a time-division basis using a task switchover, control task

programs corresponding respectively to the plurality of image processing functions, and

performing the communication using the IP address generated for every image processing

function on the basis of the control task program, taking as a unit the control task program

corresponding respectively to the plurality of image processing functions.

Claim 5. (Currently Amended) A control program embodied on a computer-

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readable medium of an image processing apparatus having a plurality of image processing

functions, comprising:

an IP address generating step of establishing a connection to an IPv6

router on a network, acquiring prefix information from [[said]] the IPv6 router and generating an

IP address unique to each of the plurality of image processing functions on the basis of the

acquired prefix information; and

a controlling step of performing a communication with other appliance

on the network by use of the IP address generated for every image processing function and

operating each of the plurality of image processing functions in accordance with a result of the

communication via a common bus.

Claim 6. (Currently Amended) A control program embodied on a computer-

readable medium of an image processing apparatus according to claim 5, wherein said

controlling step involves executing the plurality of image processing functions by executing, on a

time-division basis using a task switchover, control task programs corresponding respectively to

the plurality of image processing functions, and performing the communication using the IP

address generated for every image processing function on the basis of the control task program,

taking as a unit the control task program corresponding respectively to the plurality of image

processing functions.

Claim 7. (Currently Amended) An apparatus according to Claim 1, wherein

said apparatus is a composite image processing apparatus which includes at least a printer

function and a scanner function as [[said]] the image processing functions.

Claim 8. (Currently Amended) An apparatus according to Claim 1, wherein said IP address generating means sends the generated IP address to the router to check duplication of the IP address, and if the IP address duplicates, said IP address generating means generates an IP address different from the previously generated IP address on the basis of [[said]] the prefix.

Claim 9. (Currently Amended) A method according to Claim 3, wherein said apparatus is a composite image processing apparatus which includes at least a printer function and a scanner function as [[said]] the image processing functions.

Claim 10. (Currently Amended) A method according to Claim 3, wherein said IP address generating step sends the generated IP address to the router to check duplication of the IP address, and if the IP address duplicates, said IP address generating step generates an IP address different from the previously generated IP address on the basis of [[said]] the prefix.